

SUSTAINABILITY GOAL #10

The total weight of solid and hazardous waste disposed of is reduced to zero.

ZERO WASTE



Construction sites on Post are required to recycle waste. Per Department of the Army policy, 50 percent of construction debris is required to be recycled.



Where the goal fits in the Fort Carson Strategic Action Plan

- Goal #1 Promote mutual respect, professional development, personal growth and teamwork, while celebrating success.
- Goal #2 Provide the services and support that contribute to mission readiness.
- Goal #3 Positively contribute to the spiritual, physical, psychological, and emotional well-being of the Mountain Post Community and create opportunities to enhance understanding of Fort Carson for our local neighbors.
- Goal #4 Provide vibrant, healthy, safe and environmentally-friendly places and spaces and Hometown services for the Mountain Post.
- Goal #5 Transform Fort Carson people, processes, products, places and profits – to show by our actions what sustainability and environmental management is, and its critical role in meeting the mission in all its dimensions by 2027.

Solid Waste Reductions

The U.S. Army and Corps of Engineers requirements to achieve 50 percent diversion and to assist in achieving U.S. Green Building Council Leadership in Energy and Environmental Design (LEED) points for waste diversion have significantly increased construction debris recycling. Most construction projects initiated in FY08 diverted approximately 50 to 75 percent of construction debris from landfills. To date, the 1st Brigade Combat Team Company Operations Facility project has diverted over 90 percent of its construction debris from the landfill.

Other recycling initiatives this year included: purchasing recycling dumpsters to increase Fort Carson's recycling capabilities by 50 percent; increasing recycling services to the Directorate of Plans, Training and Mobilization (DPTM) Range Division for collection of used target materials, etc.; and acquiring a wood grinder to increase efficiency in processing used wood products collected for compost material.

A total of 2,050 tons of waste was diverted in the last year through recycling, which is a 16.8 percent increase over FY07 waste diversion figures. Fort Carson saved \$205,000 in landfill cost avoidance this year.

Hazardous Waste Reductions

Nontraditional materials were looked at for new recycling opportunities this year. Fort Carson initiated a garnet bead blasting recycling program in its paint booth operations. Garnet bead blast used to strip paint will be sent back to the vendor and molded into construction building blocks recognized as LEED-qualified construction material.

The Installation also purchased equipment to begin recycling heptane, a solvent used by the Directorate of Logistics Army Oil Analysis Program on their laboratory equipment for testing oil samples. Approximately 600 gallons of heptane, a hazardous material, is used to test oil each year.



A wood grinder was purchased this year to facilitate conversion of wood waste to mulch, which is reused on the Installation.

FUTURE GOAL 10 INITIATIVES:

- Investigate electronics and household hazardous waste recycling opportunities.
- Create Standard Operating Procedures (SOP) for mobilization, demobilization and range maneuver exercise recycle opportunities.



Fort Carson is increasing the number of recycle stations available in offices to encourage recycling.

OPPORTUNITIES:

- Providing procurement, materials management and zero waste education and awareness.
- Renovating unoccupied units with recycle stations while Soldiers are deployed.
- Exploring composting of Fort Carson-generated food waste as a viable, cost-effective process.